MICHEL, K; LEYKIN, M.V.[translator];SLYUSAREV, G.G., professor, redaktor; GRIGOROVA, B.A., redaktor; AKHLAMOV,S.N., tekhnicheskiy redaktor; MURASHOVA, N.Ya., tekhnicheskiy redaktor.

[Fundamentals of the theory of the microscope. Translated from the German] Osnovy teorii mikroskopa. Perevod s nemetskogo M.V.Leikina. Pod red. G.G. Sliusareva. Moskva, Gos.izd-vo tekhniko-teoret. lit-ry, 1955. 276 p. (MLRA 9:1)
(Microscope)

GREYM, Igor' Aleksandrovich; YEGUDKIN, A.S., inzh., retsenzent; LEYKIN, M.V., inzh., red.; VORKOVETSKAYA, A.I., red. izd-va; SPERANSKAYA, O.V., tekhn. red.

[Optical reading systems used in the manufacture of instruments and machines] Opticheskie otschetnye sistemy v priborostroenii i mashinostroenii. Moskva, Mashgiz, 1963. 235 p. (MIRA 16:7)

(Optics) (Measuring instruments)

LEYKIN, Nikita Nikolayevich; SKORODUMOV, I.Ya., inzh., retsenzent; SHISHKIN, P.N., inzh., red.; PETERSON, M.M., tekhn. red.

[Preparing molds for plastic articles] Konstruirovanie press-form dlia izdelii iz plasticheskikh mass. Moskva, Mashgiz, 1961. 166 p. (MIRA 14:11)

(Plastics—Molding)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929720(

LEYKIN, N.N.; SEROV, B.D., retsenzent; KUREPINA, G.N., red.izd-va; SHCHETININA, L.V., tekhn. red.

[Manufacture of plastic moulded goods] Konstruirovanie plastmassovykh pressovannykh izdelii. Moskva, Mashinostroenie, 1964. 217 p. (MIRA 17:4)

L 16479-65 EWT(m)/EPF(c)/EWP(v)/EPR/EWP(t)/[illegible] Pc-4/Pr-4/Pab-10 WW/JW S/

ACCESSION NR AM4045083 BOOK EXPLOITATION

Leykin, N. N.

Designing pressed plastic parts (Konstruirovaniye plastmassovy*kh pressovanny*kh izdeliy), Moscow, Izd-vo "Mashinostroyeniye", 1964, 219 p. illus., biblio. 7,000 copies printed.

TOPIC TAGS: plastics molding, plastics casting

PURPOSE AND COVERAGE: The book contains information necessary to the design of parts obtained from plastics by molding and casting. The design features and the accuracy of dimensions of the plastic parts are the major portion of the book. The effect of engineering and economic factors on design is considered. The service properties of plastics and the recommended applications are cited. The book is intended for engineers and technical workers concerned with the design of various plastic articles.

TABLE OF CONTENTS [abridged]:

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L 16479-65

ACCESSION NR AM4045083

SUB CODE: OC, ME SUBMITTED: 10Dec63 NR REF SOV: 018

OTHER: 007

Card 2/2

LEYKIN, S.I.

Automatic stop motion of a spinning machine upon completion of the doff. Obm.tekh.opyt. [MLP] no.16:41-48 '56. (MIRA 11:11)
(Spinning machinery) (Automatic control)

LEYKIN, S.I., inzh.; VADIMOV, Yu.V., inzh.

System for synchronizing the operation of fuel supplying units. (MIRA 15:5)
Energetik 10 no.5:11-12 My '62.
(Electric power plants) (Fuel)

LEYKIN, S.I.

Volunteer scientific research institutes in the enterprises of the light industry in the Kalinin Province. Tekst.prom. 23 no.11:17-18 N '63. (MIRA 17:1)

1. Predsedatel' Kalininskogo oblastnogo pravleniya Nauchno-tekhnicheskogo obshchestva legkoy promyshlennosti.

LEYKIN,S.S., inzhener

Current tasks on improving repair work in industry. Bum. prom. 30 no.5:3-4 My '55. (MLRA 8:8)

1. Starshiy inzhener Otdela glavnogo energetika i mekhanika ministerstva.

(Paper industry)

LEYKIN, V., inzh.

Electricity smelts metals. IUn.tekh. 6 no.10:40-43 O '61. (MIRA 14:11)

(Electrometallurgy)

ANDREYEV, K.P.; LEYKIN, V.L.

Automatic screening section. Spirt.prom. 28 no.2:25 '62.
(MIRA 15:3)

1. Leningradskiy likero-vodochnyy zavod.
(Leningrad--Liquor industry--Equipment and supplies)

LEYKIN, V.S., kandidat tekhnicheskikh nauk.

Analyzing methods used in the calculation of strain changes in synchronous generators caused by sudden loads. Sudostroenie 22 no.4:19-25 Ap '56. (MLRA 9:9)
(Electric generators) (Electricity on ships)

LEYKIN, V.S., kandidat tekhnicheskikh nauk.

Calculation of voltage changes in synchronous generators subjected to shock loads. Sudostroenie 22 no.7:13-18 Jl '56. (MLRA 9:10)

(Electricity on ships) (Electric generators)

8(5) PHASE I BOOK EXPLOITATION SOV/1471

Leykin, Vladimir Semenovich

Metody raschetov izmeneniya napryazheniya sudovykh sinkhronnykh generatorov (Methods of Calculating Voltage Change in Marine Synchronous Generators) Leningrad, Sudpromgiz, 1958. 123 p. 2,000 copies printed.

Ed.: N.S. Zheltoukhova; Scientific Ed.: I.I. Andrianov; Tech. Ed.: P.S. Frumkin.

PURPOSE: This book is intended for engineers and technicians engaged in the design and operation of ship electrical equipment. It is also intended for scientists and teachers.

COVERAGE: The book describes existing methods of calculating voltage changes in synchronous generators caused by abruptly applied loads. The author analyzes these transient processes and derives new methods of calculation, which take into account the quick action of the automatic regulation system. These methods are recommended by the author as they reduce considerably the time spent on calculation. He mentions the works of Soviet scientists M.P. Kostenko, A.A. Gorev, R.A. Lyuter, N.A. Syromyatnikov and V.T. Kas'yanov on transient

Card 1/4

processes (and their mathematical analysis) occurring in the starting of induction motors connected to synchronous generators. The author claims that he has collected all available information on the subject, arranged it systematically and derived simple, practical methods of calculation. There are 14 references, of which 12 are Soviet and 2 English.

TABLE OF CONTENTS:

AVAILABLE: Library of Congress

Card 4/4

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4-22-59

LEYKIN, V.S., kand. tekhn. nauk

"Selecting electric meters for deck electric driving" by N.M. Khomiakov. Reviewed by V.S. Leikin. Sudostroenie 25 no.4:71-72 Ap '59. (MIRA 12:6)
(Electricity on ships) (Deck machinery)
(Khomiakov, N.M.)

PHASE I BOOK EXPLOITATION SOV/4756

Leykin, Veniamin Yefimovich, and Pavel Aleksandrovich Sakharuk

Elektrometallurgiya stali i ferrosplavov (Electrometallurgy of Steel and Ferroalloys) 2d ed., rev. Moscow, Metallurgizdat, 1960. 600 p. Errata slip inserted. 6,200 copies printed.

Ed.: Ya. M. Bokshitskiy; Ed. of Publishing House: Ya. D. Rozentsveyg; Tech. Ed.: V. V. Mikhaylova.

PURPOSE: This is a textbook for metallurgical tekhnikums, and may also be useful to middle-level technical personnel of steel and ferroalloy manufacturing plants.

COVERAGE: The authors review fundamentals of the theory of metallurgical processes and explain basic principles underlying the manufacture of steel and ferroalloys in electric furnaces. They describe various types of electric furnaces, such as arc, induction, and resistance furnaces, and outline their construction, equipment, and accessories. Modern techniques in the use of vacuum, oxygen blowing, continuous ingot casting of steel, etc., in the field of

Card 1/15

Electrometallurgy of Steel (Cont.) SOV/4756

steel and ferroalloy metallurgy are discussed. The introduction and Parts II, III, IV, and V were written by V. Ye. Leykin, Parts I and VII by P. A. Sakharuk, and Parts VI and VIII and Ch. XV of Part VII by S. A. Morgulev. No personalities are mentioned. There are 12 references, all Soviet.

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Electrometallurgy of Steel (Cont.) SOV/4756

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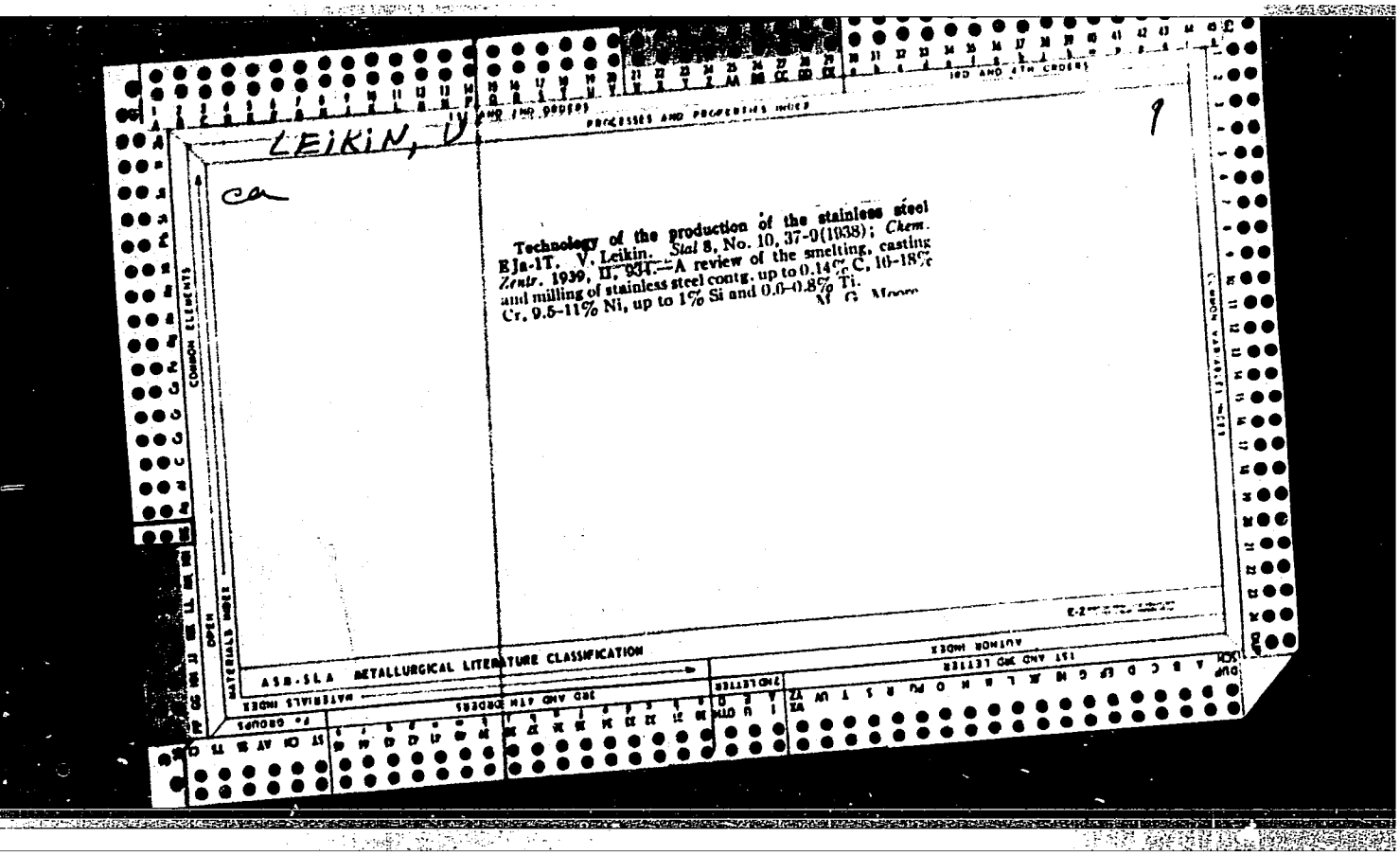
Electrometallurgy of Steel (Cont.) SOV/4756

PART III. MANUFACTURE OF STEEL IN ELECTRIC FURNACES

Card 6/15

Electrometallurgy of Steel (Cont.) SOV/4756

Card 8/15



LEYKIN, V. YE.

Technology

Steel smelting in electric furnaces. Moskva, Gos. nauchnotekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1946.

Monthly List of Russian Accessions, Library of Congress, June 1952. UNCLASSIFIED.

LEYKIN, V. Ye.

PHASE I TREASURE ISLAND BIBLIOGRAPHICAL REPORT AID 588 - I

Call No.: AF437939

BOOK

Author: LEYKIN, V. YE.

Full Title: STEEL SMELTING IN ELECTRIC FURNACES. 2nd ed., revised and supplemented

Transliterated Title: Plavka stali v elektropechakh. Izd. vtor., dop. i pererabot.

PUBLISHING DATA

Originating Agency: None

Publishing House: State Scientific and Technical Publishing House of Literature on Ferrous and Nonferrous Metallurgy (Metallurgizdat)

Date: 1951 No. pp.: 428 No. of copies: 5,000

Editorial Staff: None

PURPOSE: The book is intended as a practical manual for foremen and middle-ranking technicians in electric steel-smelting shops. It can also be helpful to students of technical schools.

TEXT DATA

Coverage: The "Introduction" to this book gives a brief historical sketch of the development of metallurgy in the 19th and 20th centuries in Russia. The book discusses the basic types of electric steel-smelting furnaces (resistance, induction and arc furnaces), their design, operation and performance. It describes raw materials, the various kinds of steels and alloys, the different smelting and

. Plavka stali v elektropechakh. AID 588 - I
Izd. vtor., dop. i pererabot.

casting processes, and the defects occuring in high-quality steels. It contains detailed descriptions of the operation and maintenance of electric furnaces, and deals also with the problems of labor organization in electric steel-smelting shops. The theory of metallurgical processes is based here on physicochemical principles and is illustrated by many examples of Stakhanovite practice in advanced metallurgical plants in the Soviet Union. The book is provided with illustrations, tables and diagrams.

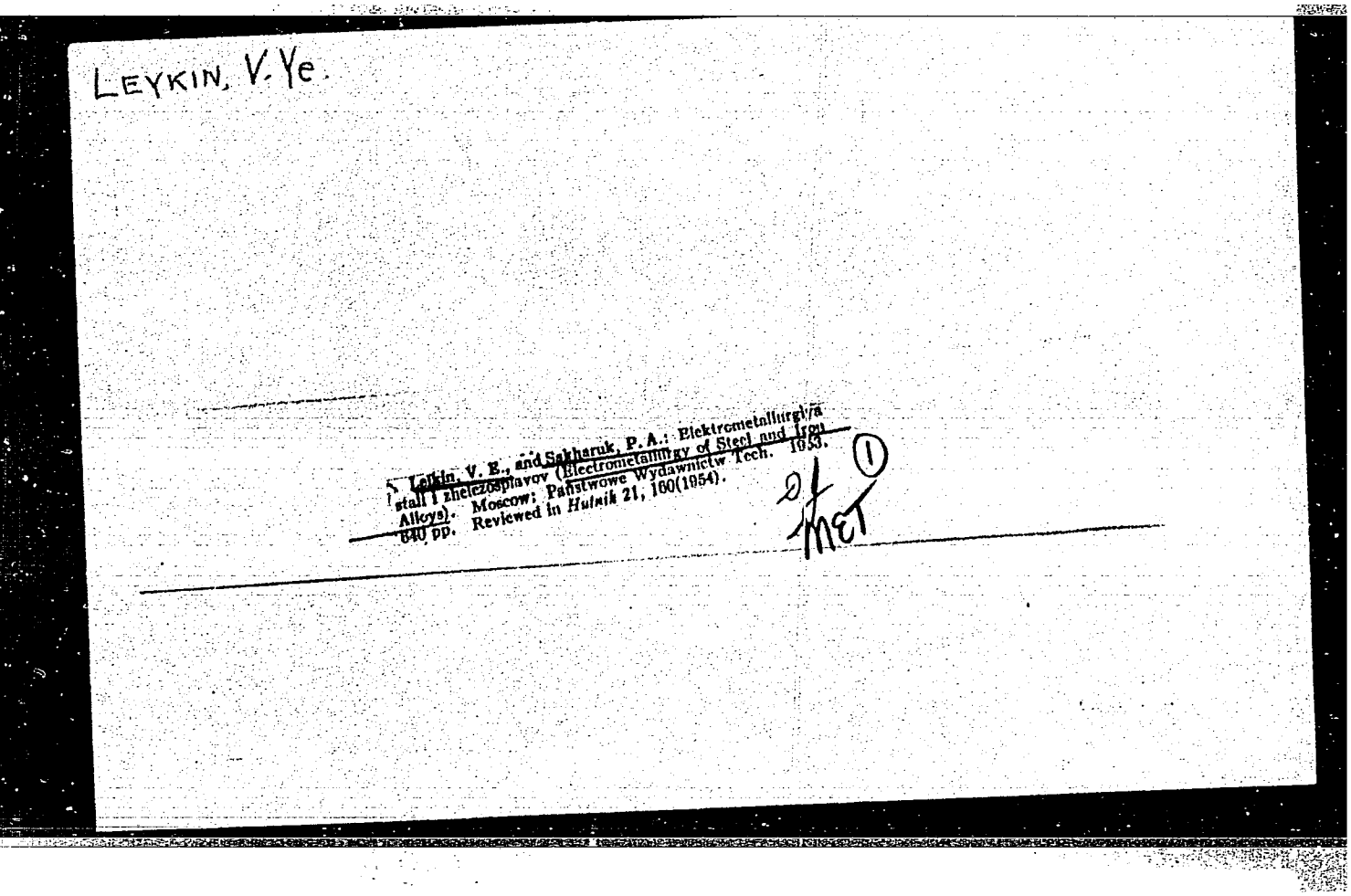
No. of References: 23 Russian, 1933-1949
Facilities: The "Elektrostal", "Zaporozhstal'", Zlatoust", Ural-elektroapparat" Plants and others.

2/2

LEYKIN, V.YE.

YUDIN, S.T.; LEYKIN, V.Ye.; KABLUKOVSKIY, A.F.; MIKHAYLOV, O.A., redaktor; MIKHAYLOVA, V.V., tekhnicheskiy redaktor.

[Steel worker of an electric furnace] Stalevar elektropechi. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1953. 318 p. (MLRA 7:7)
(Electric furnaces) (Steel metallurgy)



LEYKIN, V. Ye.

5. Leykin, V. E., and Sakharuk, P. A.: Elektrometallurgiya stali i zheleznosplavov (Electrometallurgy of Steel and Iron Alloys). Moscow; Panstwowe Wydawnictw Tech. 1953. 840 pp. Reviewed in *Hutnik* 21, 160(1954).

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LEYKIN, V. YE.

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Opyt Ekspluatatsii Martenovskikh Pechey S. Magnezitokhromitovmi Svodami (Experience in the Exploitation of Martin Furnaces with Magnesium-Chromite Crowns, by) V. Ye. Leykin and R. G. Kamalov. Moskva, Metallurgizdat, 1955.

47 p. illus., diagrs., tables.

at head of title: Peredovyye Metody Truda.

LEYKIN, Veniamin Yefimovich; KAMALOV, Rafael' Galiyevich; KORNFEL'D, V.N., redaktor; YABLONSKAYA, L.V., redaktor; EVENSON, I.M., tekhnicheskiy redaktor.

[Experience in operating open-hearth furnaces with magnesite-chromite crowns] Opyt ekspluatatsii martenovskikh pechei s magnezitokhromitovymi svodami. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1956. 47 p. (MLRA 9:4)
(Chelyabinsk--Open-hearth furnaces)

LEYKIN, Veniamin Yefimovich; SAKHARUK, Pavel Aleksandrovich. Prinimal uchastiye MORGULEV, S.A. BOKSHITSKIY, Ya.M., red.; ROZENTSVEYG, Ya.D., red.izd-va; MIKHAYLOVA, V.V., tekhn.red.

[Electrometallurgy of steel and ferroalloys] Elektrometallurgiia stali i ferrosplavov. Izd.2., perer. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1960. 600 p. (MIRA 14:1)
(Steel--Electrometallurgy)
(Iron alloys--Electrometallurgy)

PHASE I BOOK EXPLOITATION SOV/5407

Afanas'yev, S.G., Candidate of Technical Sciences; B.S. Barskiy, Docent; Yu.Ye. Yefroymovich, Candidate of Technical Sciences; V.Yu. Kaganov, Candidate of Technical Sciences; B.N. Katomin, Engineer; V.Ya. Lorkin, Engineer; I.N. Lur'ye, Engineer; O.A. Mikhaylov, Candidate of Technical Sciences; A.Ye. Netesin, Engineer; M.Ye. Orman, Engineer; V.S. Rutes, Candidate of Technical Sciences; and Ye.A. Shneyerov, Candidate of Technical Sciences.

Tekhnicheskiy progress v chernoy metallurgii SSSR; staleplavil'noye proizvodstvo (Technological Progress in Soviet Ferrous Metallurgy; Steelmaking Industry) Moscow, Metallurgizdat, 1961. 495 p. Errata slip inserted. 3,200 copies printed.

Sponsoring Agencies: Gosudarstvennyy nauchno-tekhnicheskiy komitet Soveta Ministrov SSSR. Tsentral'nyy institut informatsii chernoy metallurgii.

Ed. and Scientific Ed.: G.N. Oyks, Professor, Doctor of Technical Sciences; Director of the Central Institute for Information on Ferrous Metallurgy: N.B. Arutyunov; Chief Ed.: Ya.A. Gol'din; Ed. of the Central Institute for Information on Ferrous Metallurgy: L.I. Khoras; Ed. of Publishing House: V.I. Ptitsyna; Tech. Ed.: P.G. Islent'yeva.

~~Card 1/~~

Technological Progress (Cont.) SOV/5407

PURPOSE: This book is intended for technical and scientific personnel in the metallurgical and machine industries, and may also be used as a textbook by students in schools of higher education and tekhnikums.

COVERAGE: A review is made of the basic stages in the development of open-hearth, electric-hearth, electric-furnace, and converter steelmaking processes in the USSR. The present status of ferrous metallurgy and prospects for the future are examined. Present trends in the design, automation, and mechanization of steelmaking equipment are given. The state of the organization and mechanization of repairs in steelmaking plants, and methods of equipment maintenance are described. Problems in the process of steelmaking (the use of oxygen and vacuum, processing of phosphorus irons, improvement of the manufacture of individual types of steel, and steel casting) are discussed at length. No personalities are mentioned. There are 329 references: 317 Soviet, 9 English, 2 German, and 1 French.

TABLE OF CONTENTS:

Card 2/7

KABLUKOVSKIY, Anatoliy Fedorovich; LEYKIN, Veniamin Yefimovich; YUDIN, Sergey Timofeyevich; KRYLOV, V.I., red.; ISLENT'YEVA, P.G., tekhn. red.

[Steelmaking in electric furnaces] Stalevar elektropechi. Izd.2., ispr. i dop. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1961. 355 p. (MIRA 14:11)
(Steel--Electrometallurgy) (Furnaces, Electric)

AFANAS'YEV, S.G., kand.tekhn.nauk; BARSKIY, B.S., dotsent; YEFROYMOVICH, Yu.Ye., kand.tekhn.nauk; KAGANOV, V.Yu., kand.tekhn.nauk; KATOMIN, B.N., inzh.; LEYKIN, V.Ye., inzh.; LUR'YE, I.N., inzh.; MIKHAYLOV, O.A., kand.tekhn.nauk; NETESIN, A.Ye., inzh.; ORMAN, M.Ye., inzh.; RUTES, V.S., kand.tekhn.nauk; SHNEYEROV, Ya.A., kand.tekhn.nauk; OYKS, G.N., prof., doktor tekhn.nauk, nauchnyy red.; GOL'DIN, Ya.A., glavnyy red.; PTITSYNA, V.I., red.izd-va; ISLENT'YEVA, P.G., tekhn.red.

[Technological progress in Soviet ferrous metallurgy; steelmaking] Tekhnicheskii progress v chernoi metallurgii SSSR; staleplavil'noe proizvodstvo. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1961. 493 p. (MIRA 14:4)

(Steel--Metallurgy)

LEYKIN, Ya. I.

Leykin, Ya. I. - "The use of reversible automatic balancers," In the symposium: Soobshch. i referaty (Vsesoyuz. nauch.-issled. in-t zerna i produktov ego pererabotki), Moscow, 1949, p. 49-53

SO: U-5240, 17, Dec. 53, (Letopis 'Zhurnal 'nykh Statey, No. 25, 1949).

See YA. I.

LEYKIN, Ya.I., kandidat tekhnicheskikh nauk; PANICH, A., inzhener.

Quality improvement and increased output of buckwheat grits. Muk.-elev. prom. 20 no.4:15-17 Ap '54. (MLRA 7:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zerna i produktov ego pererabotki.
(Buckwheat)

LEYKIN, Ya. I., kandidat tekhnicheskikh nauk; PANICH, A., inzhener

Study of new varieties of buckwheat and millet. Muk.-elev.prom. 21 no.6:15-18 Je'55. (MLRA 8:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zerna i produktov yego pererabotki
(Buckwheat) (Millet) (Grain milling)

KOMAR, A.A.; LEYKIN, Ye.M.; METAL'NIKOV, Yu.N.; MOROZ, Ye.M.; PETUKHOV, V.A.

Physical foundations of experiments on opposing electron-positron beams. Trudy Fiz. inst. 22:222-295 '64. (MIRA 17:9)

BAZARDZHYAN, A.G.; IEYKINA, Ye.M.; ANTIPOVA, K.K.

Role of vitamin B12 in the activation of the genetic apparatus of differentiated cells in the case of their increased physiological function. Dokl. AN SSSR 157 no. 2:440-442 Jl '64. (MIRA 17:7)

1. Institut normal'noy i patologicheskoy fiziologii AMN SSSR. Predstavleno akademikom A.N.Bakulevym.

LEYKIN, YE M.

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4942

STUDIES OF (γ,p) REACTIONS IN THE ENERGY RANGE UP TO 30 MEV. E. M. Leikin, R. M. Osokina, and B. S. Ratner. Izvest. Akad. Nauk S.S.S.R. Ser. Fiz. 19, 607 (1955) Sept.-Oct. (In Russian)

Detailed investigations of the energy and angular distribution of photoprotons in a series of elements were made with the 30-Mev synchrotron. The photoproton emission from copper was studied at γ quantum maximum energies of 19, 24, 28, and 30.5 Mev, and the emission from nickel at 21.5, 25.5, 28.0 Mev. The preliminary measurements were obtained on aluminum and lead. With the transitions of $E\gamma_m$ = 24.0 Mev to $E\gamma_m$ = 28.0 and 30.5 Mev a sharp change was observed in the angular distribution, in the shape of the energy spectra, and the emission of the fast photoprotons from copper. (R.V.J.)

USSR/Physics - (γ p) reaction

Card 1/1 Pub. 22 - 14/59

Authors : Leykin, Ye. M.; Osokina, R. M.; and Ratner, B. S.

Title : Study of the (γ p) reaction on copper

Periodical : Dok. AN SSSR 102/2, 245-248, May 11, 1955

Abstract : An experimental study of the (γ p) reaction on copper is described. A synchrotrone was used as a source of γ-quanta of 30.5 Mev. of energy. A foil of 18,4 mg/cm thick and consisting of natural copper isotopes was exposed to a beam of γ -quanta collimated by a lead collimator of 20 cm thick. Results are presented and explained. Seven references: 1 USSR and 6 USA, (1947-1955). Diagrams; graphs; table.

Institution : Acad. of Sc., USSR, Physical Institute imeni P. N. Lebedev

Presented by : Academician V. N. Kondrat'ev, January 1, 1955

LEYKIN, YE. M.

USSR/ Physics

Card 1/1 Pub. 22 - 19/62

Authors : Leykin, Ye. M.; Osokina, R. M.; and Ratner, B. S.

Title : Study of the reaction (p), of nickel

Periodical : Dok. AN SSSR 102/3, 493 - 494, May 21, 1955

Abstract : According to a method described in a previous report, the study of the energetic and angular distribution of photo-protons emmitted from a nickel foil is presented. Three references: 1 USSR and 2 USA (1951-1955). Diagrams.

Institution : The Acad. of Sc., USSR, P. N. Lebedev Physical Institute.

Presented by: Academician V. N. Kondrat'ev, February 1, 1955

LEZHKIN, Ye.

6961
INVESTIGATION OF PHOTOPROTONS FROM COPPER AND NICKEL. E. Lejkin, R. Osokina, and B. Ratner (Academy of Sciences of the U.S.S.R., Moscow). Nuovo cimento (10) 3, Suppl. No. 1, 105-18(1956). (In English)

Photonuclear reactions were studied to establish the mechanism of γ-ray interaction with nuclei and to provide a check for the validity of proposed nuclear models. The energy and angular distribution of photoprotons from neighboring Cu and Ni nuclei at maximum values of bremsstrahlung energy were observed in detail. (F.S.)

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PHASE I BOOK EXPLOITATION

Gol'danskiy, Vitaliy Iosifovich and Leykin, Yevgeniy Moiseyevich

Prevrashcheniya atomnykh yader (Transformations of Atomic Nuclei) Moscow, Izd-vo AN SSSR, 1958. 425 p. 20,000 copies printed.

Resp. Ed.: Storodinskiy, Ya. A.; Eds. of Publishing House: Mazin, I.P. and Chernyak, L.Ye.; Tech. Ed.: Prusakova, T.A.

PURPOSE: This book is intended for readers who have a knowledge of physics and who wish to increase their knowledge of the basic problems of nuclear physics.

COVERAGE: The book deals with the properties of atomic nuclei and elementary particles, models of atomic nuclei, methods and means for carrying out and observing nuclear reactions, detailed descriptions of methods of using nuclear reactions to obtain information on the structure of nuclei, and descriptions of the reactions used to obtain atomic energy - fission chain reactions and thermonuclear reactions. There are 14 Soviet references.

Card 1/4

AVAILABLE: Library of Congress

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Card 4/4

DENISOV, F.P.,red.; LAZAREVA, L.Ye.,red.; LEYKIN, Ye.M.,red.; ROZHANSKIY, I.D.,red.; FRANK, I.M.,red.; SHAPIRO, I.S.,red.; SHAPIRO, F.L.,red.; POLENOVA, T.P.,tekhn. red.

[Low and intermediate energy nuclear reactions; transactions of the conference] IAdernye reaktsii pri malykh i srednikh energiiakh; trudy konferentsii. Moskva, Izd-vo Akad. nauk SSSR, 1958. 614 p.
(MIRA 11:12)

1. Vsesoyuznaya konferentsiya po yadernym reaktsiyam pri malykh i srednikh energiyakh. Moscow, 1957.
(Nuclear reactions)

LEYKIN, Ye.M.

AUTHOR: Leykin, Ye.M., Scientific Worker 25-58-3-12/41

TITLE: Processes in the Interior of the Sun (V nedrakh solntsa)

PERIODICAL: Nauka i Zhizn', 1958, Nr 3, pp 27-31 (USSR)

ABSTRACT: This article deals with energetic processes taking place in the interior of the sun. It is explained how energy is generated in the sun - by means of nuclear synthesis. In this connection, the research work of the Soviet physicists I.Ye. Tamm and A.D. Sakharov is mentioned. They have developed a system capable of generating energy in a laboratory similar to the generating process taking place in the sun. A method in which the heat exchange between the fissionable matter and the walls of the container is reduced by a strong magnetic field is suggested.
There are three Soviet references.

ASSOCIATION: Fizicheskiy institut imeni P.N. Lebedeva Akademii nauk SSSR (Physical Institute imeni P.N. Lebedev of the USSR Academy of Sciences)

AVAILABLE: Library of Congress

Card 1/1 1. Sun-Energy-Processes

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E032/E414

AUTHORS: Grushin, V.F., Zapevalov, V.A. and Leykin, Ye.M.

TITLE: A Total Absorption Cherenkov Gamma Spectrometer 19

PERIODICAL: Pribory i tekhnika eksperimenta, 1960, Nr 2, pp 27-32 (USSR)

ABSTRACT: A description is given of a total absorption Cherenkov gamma spectrometer using a lead glass radiator to record gamma radiation up to 250 MeV. The radiator was chosen to be in the form of a uniform cylindrical block 28 cm in diameter and 22 cm long (11.8 t-units and 9.3 t-units respectively) and was made from TF-1 glass having an absorption coefficient of 0.2 to 0.3. The gamma spectrometer was in the form of a steel cylindrical frame with the radiator fixed to its front (Fig 2). The cylindrical surface of the radiator was covered by aluminium foil and one of the flat surfaces by a polished silver mirror. The light was collected by seven FEU-24 photomultipliers from the front surface of the radiator. The photomultipliers had a resolution of 10 to 12% measured on the Cs^{137} photopeak. The area covered by the photomultiplier cathodes was about 50% of

Card 1/4

A Total Absorption Cherenkov Gamma Spectrometer

the plane face of the radiator. On the front wall of the frame and in the mirror, an aperture was made capable of taking a standard sodium iodide crystal which was used to check the working of the spectrometer. The frame, the glass and the photomultipliers were placed in a steel tube which ensured that no extraneous light reached the device and also acted as a magnetic screen for the photomultipliers. In addition, provision was made for further magnetic screening of the photomultipliers by means of soft-iron or permalloy cylinders which surrounded each of the photomultipliers. Pulses from the photomultiplier anodes were fed into the cathode followers which could be used to regulate the magnitude of the signal and were followed by an adding circuit attached to the rear wall. In addition to the adding circuit, the apparatus included a gating circuit and a 10-channel kicksorter. The gating circuit was specially designed for use in the calibration of the gamma-spectrometer and ensured linear transmission of the signal from the gamma-spectrometer to the kicksorter when the gating

A Total Absorption Cherenkov Gamma Spectrometer

pulse was applied to it. The spectra were examined with a simple 10-channel kicksorter having a mechanical counter at its output. The characteristics of the gamma-spectrometer were investigated on the 265 MeV synchrotron of the Physics Institute of the Academy of Sciences USSR. Fig 4 shows the results of a determination of the resolution of the gamma spectrometer using electrons having a 10% energy spread. Fig 5 shows the dependence of the amplitude of the output pulse on the electron energy. As can be seen, the instrument is linear in the energy range indicated. Fig 6 shows the energy dependence of the resolution of the gamma-spectrometer. Fig 8 shows the resolution of the various gamma spectrometers built in different laboratories. The curve marked 5 represents the present results. As can be seen, the present spectrometer has the best energy resolution but the dependence of the resolution on energy is somewhat different as compared with the other instruments. The work on the development of the present spectrometer was completed in 1957 (Ref 5). It was

Card 3/4

37791
S/120/62/000/002/015/047
E039/E520

21,6000

AUTHORS: Zapevalov, V.A. and Leykin, Ye.M.

TITLE: A coincidence circuit of the chronotron type

PERIODICAL: Pribory i tekhnika eksperimenta, no.2, 1962, 64-65

TEXT: By using the chronotron principle a 2-channel coincidence circuit with high resolution and efficiency has been developed. Negative pulses from two photomultipliers are fed through phase inverters into lines with a delay of $3.3 \cdot 10^{-9}$ sec per section and simultaneously into the usual fast coincidence circuit with a resolving time $\tau \approx 2 \cdot 10^{-8}$ sec. Each section of fast delay line is connected with a corresponding double coincidence circuit constructed on a 6Ж2П (6Zh2P) tube with control on the first and third grids. A cascade amplifier is used with an anode load mixer delay line having a delay of $3 \cdot 10^{-7}$ sec between cascades. The operation of the circuit is described and diagrams are given showing (1) the pulse shape after mixing and (2) the shape of the input and output pulses of the integrator for different time displacements depending on the time of arrival of pulses at the inputs. The apparatus was tested using a ФЭУ-36

Card 1/2

LEYKIN, Ye. M.

ALEKSANDROV, Yu. M.; GRUSHIN, V. F.; LEYKIN, Ye. M.

(2)

"Photoproduction of π^+-Mesons on Proton at Gamma-Ray Energies 230 MEV"

report presented at the 11th Intl. Conference on High Energy Physics, Geneva, 4-11 July 1962

ZAPEVALOV, V.A.; LEYKIN, Ye.M.

Chronotron type coincidence circuit. Prib. i tekh. eksp. 7 no.2:64-65 Mr-Ap '62. (MIRA 15:5)

1. Fizicheskiy institut AN SSSR.
(Electronic circuits) (Electronic measurements)

L 10306-63 EPF(n)-2/EWT(m)/BDS--AFFTC/
ASD/AFWL/SSD--Pu-4--AR
ACCESSION NR: AP3002724 S/0120/63/000/003/0082/0084

62
61

AUTHOR: Dem'yanovskiy, O. B.; Leykin, Ye. M.; Yablonin, K. I.

TITLE: Stable single-tube integrator for nuclear radiation monitors 19

SOURCE: Pribory i tekhnika eksperimenta, no. 3, 1963, 82-84

TOPIC TAGS: one-tube integrator, blocking oscillator, particle stream, nuclear transformation, current distribution, counting speed multiplying factor

ABSTRACT: The operation of an integrator based on the principle of the recharging of a capacitor in the grid network of a blocking oscillator is discussed. The integrator, whose basic circuit appears in Fig. 1 of the Enclosure, is used for measuring a particle stream which causes nuclear transformations. This single-tube circuit permits the measurement of sensor currents which exceed 10 sup -11 to 10 sup -12 amp, regardless of the current distribution in time. When a supply voltage is applied, a blocking process

Card 1/4

takes place in the circuit; as a result, capacitor C, which is connected between the grid and a secondary winding of a blocking oscillator transformer, will be charged by grid currents up to voltage U sub C. Under these conditions the tube will be cut off. This state of the circuit is stable, due to the absence of discharging elements in the capacitor network. In the presence of radiation a negative charge on capacitor C, which maintains the tube in its cutoff state, is compensated by a positive charge which builds up in an ionization chamber. The number of blocking processes is summed by a registering device. The multiplying factor of the integrator is determined by capacitor C and the voltage difference between the charging level of C and the cutoff voltage of the tube. The multiplyirg factor of the described circuit is equal to 10 sup -9 to 10 sup -10 coulomb. Integrators of this type were found to be linear over a broad range. Deviations could be observed during measurements of very small currents commensurate with dark currents (10 sup -14 amp) and during measurements of large currents when counting speed is increased so much that the time between operating cycles becomes commensurate with the pulse duration of the integrator. A comparison was made continuously over a two-week period using two monitors installed in a beam of Gamma-radiation from a synchrotron. The data obtained demonstrate that the relative reading spread of these integrators

L 10306-63
ACCESSION NR: AP3002724

does not exceed 1%. Orig. art. has: 4 figures, 1 table, and 3 formulas.

ASSOCIATION: Fizicheskiy institut AN SSSR (Physics Institute AN SSSR)

SUBMITTED: 08May62 DATE ACQ: 12Jul63 ENCL: 01

SUB CODE: 00 NO REF SOV: 000 OTHER: 000

Card 3/4

ACCESSION NR: AP4041010 S/0120/64/000/003/0033/0035

AUTHOR: Grushin, V. F.; Leykin, Ye. M.

TITLE: Line shape of a shower gamma-spectrometer

SOURCE: Pribory* i tekhnika eksperimenta, no. 3, 1964, 33-35

TOPIC TAGS: spectrometer, shower spectrometer, gamma spectrometer, gamma shower spectrometer

ABSTRACT: This formula is developed for describing the pulse distribution Q at the gamma-spectrometer output:

$$\Phi(Q) = \sum_{N=0}^{\infty} \varphi_N \int p^{(N)}(G) \frac{\exp[-(Q-G\omega)^2/2G\Delta]}{\sqrt{2\pi G\Delta}} dG,$$

where φ_N is the distribution of the number of shower particles N; $p^{(N)}(G)$ is the N-multiple composition of the density p(g); the quantity $\Delta = \nu\varepsilon n^* M^2 (1 + D(\sigma)/\sigma(\sigma - 1))$.

Card 1/2

ACCESSION NR: AP4018364 S/0120/64/000/001/0056/0057

AUTHOR: Leykin, Ye. M.

TITLE: Energy resolution of shower gamma spectrometers

SOURCE: Pribory* i tekhnika eksperimenta, no. 1, 1964, 56-57

TOPIC TAGS: spectrometer, gamma spectrometer, shower gamma spectrometer, energy resolution, spectrometer energy resolution

ABSTRACT: By using a concrete form of the generating function f_3 (see "Introduction to the Theory of Probability and Mathematical Statistics," by N. Arley and K. D. Buch), this formula is obtained:

$$\eta_{\infty}^2 = \eta_1^2 + \eta_2^2/\overline{N} + (\eta_3^2 + 1)(\eta_2^2 - 1/\overline{\nu})/\overline{N} + \\ + (1 + \eta_4^2)/\overline{n}. \qquad (1)$$

where $\overline{N} = \int N_\Gamma(E_0, E, x)\,dx$; $\overline{\nu}$ is the average

ACCESSION NR: AP4018364

number of light quanta in each scintillation; $\bar{n}$ is the average number of photoelectrons at the photomultiplier input; η_i^2 are the rms fluctuations that characterize each of the four stages. The above formula shows "attenuation" of fluctuations which is characteristic of multiplication-type processes. As both $\bar{N}$ and $\bar{n}$ are proportional to E_0, the resolution of the shower gamma spectrometer is limited only by the fluctuations which accompany the shower development. Orig. art. has: 3 formulas.

ASSOCIATION: Fizicheskiy institut AN SSSR (Institute of Physics, AN SSSR)

SUBMITTED: 06Apr63 DATE ACQ: 18Mar64 ENCL: 00

SUB CODE: NS NO REF SOV: 000 OTHER: 002

Card 2/2

GRUSHIN, V.F.; LEYKIN, Ye.M.

Shape of the line of a shower gamma-ray spectrometer. Prib. i tekh. eksp. 9 no.3:33-35 My-Je '64 (MIRA 18:1)

1. Fizicheskiy institut AN SSSR.

ACCESSION NR: AP5007023 S/0120/65/000/001/0052/005

AUTHOR: Grushin, V. F., Leykin, Ye. M.

TITLE: Calculating the correction for multiple Coulomb scattering with an allowance for ionization loss

SOURCE: Pribory i tekhnika eksperimenta, no. 1, 1965, 52-53

TOPIC TAGS: particle scattering, Coulomb scattering

ABSTRACT: Calculation of the part of particles missing a round-aperture detector, neglecting the ionization loss in the filter, was done by R. M. Sternheimer (Rev. Scient. Instrum. 1954, v. 25, [illegible]). The present article solves the same problem but in addition takes into consideration the ionization loss. Formulas 8 and 9 permit [illegible] multiple Coulomb scattering. "The authors wish to thank B. A. [illegible] for suggesting the essence of the article." Orig. art. has: 1 figure and 7 formulas.

ASSOCIATION: Fizicheskiy institut AN SSSR (Institute of Physics, AN SSSR)

SUBMITTED 19Dec63 ENCL 00 SUB CODE NP

NO REF SOV: 001 OTHER: 003

Card 1/1

L 28056-66 EWT(m)/EWP(e) WH

ACC NR: AP5027005 SOURCE CODE: UR/0120/65/000/005/0040/0044

AUTHOR: Grushin, V. F.; Latypova, R. A.; Leykin, Ye. M. 33 32 B

ORG: Institute of Physics of AN SSSR, Moscow (Fizicheskiy Institut)

TITLE: Calculation of characteristics of Cerenkov gamma spectrometers

SOURCE: Pribory i tekhnika eksperimenta, no. 5, 1965, 40-44

TOPIC TAGS: gamma spectroscopy, Cerenkov radiation, Cerenkov counter

ABSTRACT: The calculations were made for the Cerenkov gamma-spectrometer equipped with a radiator made of lead glass of various thicknesses and transparencies and emitting gamma quanta varying from 50 to 1000 Mev. The calculations were based on the gamma shower function $F(G)=\sum_{N=0}^{\infty}\varphi_N\chi^{(N)}(G)$, where φ_N denotes the distribution of the shower of N particles and $\chi^N(G)$ defines the density of light yield distribution characterizing the probability that the sum N of values g amounts to the number G. The values of φ_N and $\chi^{(N)}(G)$ were taken from the previously published papers. The calculations were made for two types of lead glass: Corning-Glass 8392 (or SF-5) and TF-1. Some data on these glasses were given in a table. The Monte Carlo method was used for the calculation of F(G)-distribution by means of an electronic computer. The results of calculation of the sum G were

Card 1/2

UDC: 539.1.074.4

shown in graphs for the lead glass of two types and of two different thicknesses. On the basis of these results, the energy resolution was calculated. The dependence of this resolution upon the gamma ray energy were graphically illustrated. The curves disclosed the effect of the lead glass thickness upon the resolution rate. On the examination of curves, it was concluded that the F(G) distribution curves acquired an asymmetric shape at lesser thicknesses and greater energies. They were, however, more symmetrically shaped for a less transparent radiator. The results of calculations were compared with the experimental data obtained on three Cerenkov spectrometers in use at the Institute of Physics of AN SSSR. The comparison was favorable. The authors expressed their appreciation to A. S. Belousov for the information given on the parameters and calibration data of the Cerenkov spectrometer. Orig. art. has: 9 graphs, 2 tables and 3 formulas.

SUB CODE: 18 / SUBM DATE: 24June64 / ORIG REF: 006 / OTH REF: 002

L 1570-66 EWT(m)/EWA(h)

ACCESSION NR: AP5019216 UR/0056/65/049/001/0054/0065

44,55 44,55 44,55 308

AUTHOR: Aleksandrov, Yu. M.; Grushin, V. F.; Zapevalov, V. A.; Leykin, Ye. M. 44,55

TITLE: Photoproduction of positive pions from protons at photon energy 230 Mev and determination of the $\gamma\pi\rho$ coupling constant

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 49, no. 1, 1965, 54-65

TOPIC TAGS: pion, muon, particle production, angular distribution, meson interaction

ABSTRACT: In view of the contradictory results of earlier measurements, the authors measured the differential cross section and the angular distribution for the photoproduction of π^+-mesons from protons at photon energy 230 Mev for the c.m.s. angles 0, 38, 82, 90, 116, 138, 146, and 180°. The experiment was performed in the bremsstrahlung beam of the 265-Mev synchrotron at FIAN (Physics Institute of the Academy of Sciences). The experimental set-up is illustrated in Fig. 1 of the Enclosure. The apparatus and data-processing procedure are described in detail. The π^+-mesons of given energy were detected by a method involving identification of the particles from their momentum and range in matter, using a magnetic spectrometer and a detector of pion stoppings, comprising a plastic-scintillation-counter telescope con-

Card 1/3

L 1570-66

ACCESSION NR: AP5019216

taining a copper absorber of fixed thickness. The charged-particle trajectories were traced by the hot-wire method. Positive pions stopped in one of the counters were reliably identified from the $\pi \rightarrow \mu$ decay, which occurred with a characteristic time $\tau_\pi = 2.55 \times 10^{-8}$ sec. Momentum analysis of the particles was performed at 0 and 180°, and at the remaining angles only the stopping detector was used. The mean statistical accuracy was ± (3--4)%. Comparison of the experimental data with a calculation based on dispersion relations (M. I. Adamovich et al., Trudy FIAN v. 34, 1965, in press) and the use of a suitably plotted likelihood function yielded for the $\gamma\pi\rho$ constant a value (0.63 ± 0.11)ef (e = electron charge, f = interaction constant). The square of the interaction constant was found to equal 0.07 ± 0.11. A note added in proof, however, indicates that according to later data the foregoing numerical values are in error. "The authors thank P. A. Cherenkov for collaboration, A. I. Lebedev for a discussion of several problems touched upon in the paper, R. A. Latypova and M. S. Kuchumova for programming the computations, and A. N. Zinevich and K. I. Yablonin for help with the work. "Orig. art. has: 10 figures, 2 formulas, and 2 tables."

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva Akademii nauk SSSR (Physics Institute, Academy of Sciences, SSSR)

SUBMITTED: 29Jan65	ENCL: 01	SUB CODE: NP	
NR REF SOV: 011	OTHER: 017		

Card 2/3

L 1570-66

ACCESSION NR: AP5019216

ENCLOSURE: 01

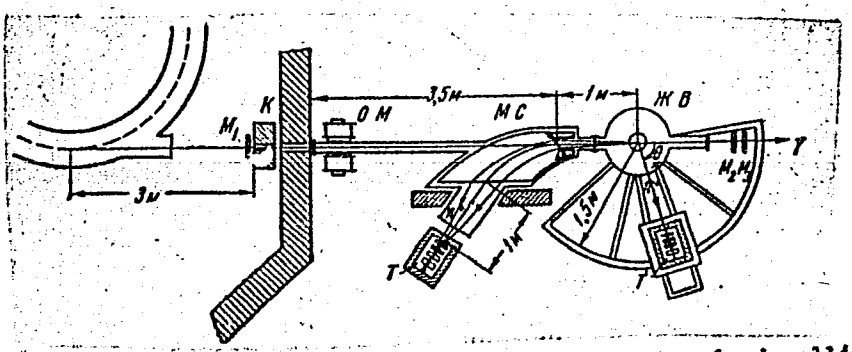

Fig. 1. Schematic diagram of experimental setup. К - lead collimators, ОМ - clearing magnet, МС - magnetic spectrometer, ЖВ - liquid hydrogen target, M_1, M_2, M_3 - monitor ionization chambers, Т - scintillation counter telescope.

Card 3/3

L 20704-66 EWT(m)/T

ACC NR: AP6012026 SOURCE CODE: UR/0020/65/160/004/0796/0798

AUTHOR: Aleksandrov, Yu. M.; Grushin, V. F.; Zapevalov, V. A.; Leykin, Ye. M. 53 49 B

ORG: Physics Institute im. P. N. Lebedev, AN SSSR (Fizicheskiy institut AN SSSR)

TITLE: Photoproduction of Pi sup + -mesons on hydrogen

SOURCE: AN SSSR. Doklady, v. 160, no. 4, 1965, 796-798

TOPIC TAGS: pi meson, synchrotron, scintillation counter, particle accelerator target, liquid hydrogen, angular distribution

ABSTRACT: Theoretical consideration of the contribution made by the resonance $\pi - \pi$ interaction (ρ-meson) to photoproduction amplitudes has made it possible by comparing experimental data with theory -- to obtain the constant $\Lambda_{\gamma\pi\rho}$ of such interaction. The present article deals with the measurement of the angular distribution of π^+-mesons from the reaction $\gamma + p \rightarrow \pi^+ + n$, given E_γ = 230 Mev. A diagram of the experiment and a block diagram of the apparatus are given. The synchrotron of the Physics Institute imeni P. N. Lebedev of the USSR Academy of Sciences was used, with a liquid-hydrogen target and three scintillation counters. The number of delayed coincidences N_μ during several delays in a triple coincidence channel was measured for each of six angles. An analysis of the spread of individual values of N_μ relative to the mean value $\bar{N}_\mu$, obtained from several dozen measurements, revealed the presence of purely statistical fluctuations. The

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L 20704-66
ACC NR: AP6012026

4

quantity $\bar{N}_\mu$ was scaled to the number of stopped π^+-mesons in the third counter $\bar{N}_\pi$. The basic results are presented in a table. A comparison of the resulting differential cross-sections with the results of the calculations made by A. I. LEBEDEV and S. P. KHARLAMOV on the basis of the dispersion relations for different values of the constant $\gamma\pi\rho$ makes it possible to obtain an estimate of the quantity $\Lambda\gamma\pi\rho$ (in units of e and f). For this purpose a likelihood function was constructed. This paper was presented by V. I. Veksler on 27 July 1964. The authors thank P. A. Cherenkov for his assistance in completing this work, and also A. I. Lebedev and S. P. Kharlamov for presenting the necessary calculation results. Orig. art. has: 2 figures and 1 table. [JPRS]

SUB CODE: 20 / SUBM DATE: 28Jun64

Card 2/2 BK

LEYKIN, Ye. R.

Leykin, Ye. R. "Improve the work on rationalization and invention", Gidroliz. prom-st' SSSR, 1948, No. 6, p. 21-23.

So: U-3261, 10 April 5[illegible], (Letopis 'Zhurnal 'nykh Statey, No. 12, 1949'.

LEYKIN, Ye.R.; SOBOLEVA, G.D.

[Production of xylitol] Proizvodstvo ksilita. Moskva, TSentr. in-t tekhn. informatsii i ekon. issl. po lesnoy, bumazhnoi i derevoobrabatyvaiushchei promyshl., 1962. 62 p. (MIRA 16:9)
(Xylitol) (Wood--Chemistry)

LEYKIN, Ye.R.

Manufacture of crystalline glucose from wood; notes from abroad.
Gidroliz. i lesokhim.prom. 8 no.7:30-31 '55. (MLRA 9:4)
(Glucose)

LEYKIN, Ye.R.

On the pages of the "Review of technical and economic information." Gidrolis. i lesokhim. prom. 11 no.3:28-29 '58. (MIRA 11:5)
(Wood-using industries)

LEYKIN, Ye.R.

Production of sorbite in the U.S. Gidroliz. i lesokhim. prom. 14 no.7:31-32 '61. (MIRA 14:11)
(United States--Sorbitol)

LEYKIN, Ye.R.; GUTINA, S.L.

Investigation of the process of evaporation of xylosic solutions. Gidroliz. i lesokhim. prom. 14 no.5:11-12 '61. (MIRA 16:7)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut gidroliznoy i sul'fitnospirtovoy promyshlennosti.
(Xylose)

LEYKIN, Ye.R.; GUTINA, S.L.; CHEREMUKHIN, I.K.; GRANKINA, L.G.; PAVLOV, A.A.; NOVOSELOVA, A.A.

Introducing the battery method for ion-exchange purification of xylose syrups. Gidroliz. i lesokhim. prom. 16 no.2:15-16 '63. (MIRA 16:6)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut gidroliznoy i sul'fitnospirtovoy promyshlennosti (for Leykin, Gutina). 2. Ferganskiy gidroliznyy zavod (for Cheremukhin, Grankina, Pavlov, Novoselova).
(Xylose) (Ion exchange)

LEYKIN, Ye.R.; GUTINA, S.L.; MESHKOVA, V.Ya.

Development of the method of purification of xylose solution prior to hydrogenation. Sbor.trud. NIIGS 11:77-85 '63. (MIRA 16:12)

LEYKIN, Ye.R.

Dynamics of the change of the pH of xylose solution during the hydrogenation and degradation of xylose sugar in an alkaline medium. Sbor.trud. NIIGS 11:86-93 '63. (MIRA 16:12)

YAKOVENKO, G.Z.; LEVCHENKO, D.I.; LEYKIN, Ye.R.

Production and testing of non-ionic KS-59 demulsifiers. Gidroliz. i lesokhim.prom. 15 no.2:17-19 '62. (MIRA 18:3)

LEYKIN, Ye.R.; MESHKOVA, V.Ya.

Developing the method for a pH increase in commercial xylitan. Sbor.trud.NIIGS 12:185-188 '64. (MIRA 18:3)

LEYKIN, Ye.R.; SOBOLEVA, G.D.; MESHKOVA, V.Ya.

Solubility of sorbite and xylitol in water and alcohol. Sbor.trud. NIIGS 12:189-194 '64. (MIRA 18:3)

ZAMANSKAYA, R.I.; LEYKIN, Ye.R.

Method for the quantitative determining of xylitol in commercial xylitan. Sbor.trud.NIIGS 12:195-198 '64. (MIRA 18:3)

LEYKIN, Yu.A.; DAVANKOV, A.B.

Device for liquid proportioning under vacuum. Zav.lab. 30 no.3:375 '64. (MIRA 17:4)

1. Moskovskiy khimiko-tekhnologicheskiy institut imeni Mendeleyeva.

L 10193-66 EWT(m)/ETC/EWG(m) RM

ACC NR: AP5028546 SOURCE CODE: UR/0286/65/000/020/0162/0162

AUTHORS: Davankov, A. B.; Leykin, Yu. A.

ORG: none

TITLE: Method for obtaining cation-exchange resin with carboxylic and sulfonic groups. Class 39, No. 150627

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 20, 1965, 162

TOPIC TAGS: polymer, ion exchanger, ion exchange equilibrium, ion exchange resin, ion exchange

ABSTRACT: This Author Certificate presents a method for obtaining cation-exchange resins containing carboxylic and sulfonic groups. To obtain an ion-exchanger with high specific volume for sorbtion of ions with small radii, the polymerization product of furfuralidene acetone monomer is treated with chlorosulfonic acid.

SUB CODE: 07 / SUBM DATE: 12Oct61

Card 1/1

L 10418-67 EWT(m) DS/RM
ACC NR: AP6029925 (A) SOURCE CODE: UR/0413/66/000/015/0089/0089

AUTHORS: Leykin, Yu. A.; Davankov, A. B.; Korshak, V. V.; Cherkasova, T. A.; Sergeyeva, L. M.

ORG: none

TITLE: A method for obtaining a phosphorus-containing cationite. Class 39, No. 184449 [announced by Moscow Institute of Chemical Technology im. D. I. Mendeleyev (Moskovskiy khimiko-tekhnologicheskiy institut)]

SOURCE: Izobret prom obraz tov zn, no. 15, 1966, 89

TOPIC TAGS: cation, phosphorus, copolymerization, copolymer, hydrolysis

ABSTRACT: This Author Certificate presents a method for obtaining phosphorus-containing cationite by copolymerizing various diesters of nucleus-substituted styrylphosphinic acid and cross-linking agents. The copolymer is then hydrolized. To obtain a selective cationite with one stage of dissociation, the hydrolysis is conducted in an alkaline medium.

SUB CODE: 07/ SUBM DATE: 28May64

Card 1/1 bjp UDC: 678.85:661.183.123.2.002.2

LEYKIN, Z.

ZUBKOV, V., inzhener; LEYKIN, Z., inzhener.

Quick method for determining moisture in grain after drying.
Muk.elev.prom. 23 no.9:9-10 S '57. (MIRA 10:11)

1. Gor'kovskaya mel'nitsa No.1.
(Grain--Analysis) (Moisture)

LEYKIN, Z. M.

LEYKIN, Z. M.: "A study of catalysts for the selective oxidation of carbon monoxide in the presence of hydrogen." Min Higher Education USSR. Central Asia Polytechnic Inst. Tashkent, 1956. (Dissertation for the Degree of Candidate in Chemical Science.)

Knizhnaya letopis', No. 30, 1956. Moscow.

SIGOV, S.A.; LEYKIN, Z.M.; IBRAGIMOV, Yu.I.

Effect of compression on the mechanical strength and activity of catalysts. Dokl. AN Uz. SSR no.10:31-34 '57. (MIRA 11:5)

1. Srednaziatskiy politekhnicheskiy institut. Predstavleno akademikom AN UzSSR M.N. Nabiyevym.
(Catalysts)

SIGOV, S.A.; LEYKIN, Z.M.; DAYCHI, R.I.

Thermodynamics of some processes for the preparation of calcium cyanamide by a noncarbide method. Uzb. khim. zhur. 7 no.2: 25-34 '63. (MIRA 16:8)

1. Tashkentskiy politekhnicheskiy institut.
(Calcium cyanamide) (Thermodynamics)

SIGOV, S.A.; LEYKIN, Z.M.; DAYCHI, R.I.

Production of calcium cyanamide by the carbideless method.
Uzb.khim.zhur. 8 no.2:73-78 '64. (MIRA 17:5)

1. Tashkentskiy politekhnicheskiy institut.

CHUDAKOV, Konstantin Petrovich, kand.tekhn.nauk; BOYTSOV, Vsevolod Ivanovich, inzh.; SLEZNIKOV, G.I., nauchnyy red.; LEYKINA, A.K., red.; PERSON, M.N., tekhn.red.

[Repair of building machinery] Remont stroitel'nykh mashin. Moskva, Vses.uchebno-pedagog.izd-vo Proftekhizdat, 1960. 354 p. (MIRA 13:12)

(Building machinery--Maintenance and repair)

OSADCHIYEV, Vasiliy Georgiyevich; IVANKOV, Petr Timofeyevich; SHUBIN, Grigoriy Solomonovich; TIKHOMIROV, V.V., nauchn. red.; LEYKINA, A.K., red.; DORODNOVA, L.A., tekhn. red.

[Manual for the young woodworker] Spravochnik molodogo derevoobrabotchika. Izd.2., perer.i dop. Moskva, Proftekhizdat, 1963. 346 p. (MIRA 16:7)
(Woodworking industries)

LEYKINA, B. M.

28(2) TRANS I BOOK EXPLOITATION SOV/2146

Leningrad. Universitet

Materialy po mashinnomu perevodu; sbornik 1 (Materials on Machine Translation; A Collection of Articles No. 1) Leningrad, Izd-vo Leningr. univ., 1958. 228 p. 1,000 copies printed.

No contributors mentioned.

PURPOSE: The book is for students, scientists, and engineers interested in machine translation.

COVERAGE: This collection of 15 articles is published as volume I of the Materials on Machine Translation. It represents the work of 25 Soviet scientists at the Leningrad University Experimental Laboratory for Machine Translation which was created in March 1958 to continue research on translating with the aid of electronic machines. Although the present volume deals with both the theoretical and the practical aspect of machine translating, the emphasis is on the compilation of algorithms for a number of languages, many of them Asiatic. There are no references.

TABLE OF CONTENTS:

AVAILABLE: Library of Congress

Card 4/4

9-15-59

LEYKINA, B.M.

Principles for constructing an English grammar for syntactic analysis in automatic translation. NTI no.11:35-40 '64.

(MIRA 18:1)

Leykina, B. M.

Certain aspects of the characteristic of valencies
Vypusk 5, Moscow, 1961, 15 p

Paper read at the Moscow Conference on information processing, machine translation, and automatic text reading, January 1961.

Leykina, B. M.

Question on the structure of the intermediate language
Vypusk 3, 30p

Paper read at the Moscow Conference on information processing, machine translation, and automatic text reading, January, 1961

LEYKINA, B.N.

Facultative course in laboratory chemistry for 10th grade students. Uch. zap. TGPI 20:43-57 '61. (MIRA 15:7)
(Chemistry--Study and teaching)

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(NEOPLASMS, experimental,
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